BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

12

Name of Work: *Improvements & Asphalting cross roads and Re-Construction of drains in Siddeshwara Layout in Ward No 14*

			Est. Cost Rs				45.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in **Hard soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.150/ I.19.2 PW, P & IWTD - SR 2013-14)	Cum							
			5	6.00	2.00	1.00	**60.00**	90.72	**5443.00**
	Basic Rate	84.00							
	Add Area Weightage 8%	6.72							
	Total	**90.72**							
2	KSRB 4.9.2 : Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.46.1/ PWD SR**	**Qtl**							
	18x100Kg per Cum		18.00		100		1800.00		
	Basic Rate	6834.00					**18.00**	7380.72	**132853.00**
	Add 8% A.W	546.72							
	TOTAL	7380.72							
3	KSRB 4-6.4 : Providing and removing **centering** shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (Page No.17, Item No. 4.31)2013-14	Sqm							
			5	6.00	1.00	_	**30.00**	271.08	**8132.00**
	Basic Rate	251.00							
	Add 8% A.W	20.08							
	TOTAL	271.08							
4	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in **Ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.138/I.19.1 PW, P & IWTD - SR 2014-15)	Cum							

	Desilting of drains		1	419.00	0.45	0.40	**75.42**	65.88	**4969.00**
	Basic Rate	61.00							
	Add Area Weightage 8%	4.88							
	Total	**65.88**							
5	**Removing B.S.Slab** of drain and stacking etc., complete Page No. 25/ Item No. 5.32/ PWD SR 2013-14	**Sqm**							
			1	419.00	0.90		377.10		
		Consider 60% Qty					226.26	50.11	**11338.00**
	Basic Rate	46.40							
	Add Area Weightage 8%	3.71							
	Total	**50.11**							
6	KSRB 4-1.3: Providing and laying in position **plain cement** concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2013-14	Cum							
			1	419.00	0.50	0.15	31.43		
			2	419.00	0.20	0.15	25.14		
	For Deck		5	6.00	2.00	0.15	9.00		
	Basic Rate	3973.00					**65.57**	4290.84	**281329.00**
	Add Area Weightage 8%	317.84							
	Total	**4290.84**							
7	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix **M1:2:4 with** cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2013-14	Cum							
	For B.S Slab sheets		1	419.00	0.50	0.075	15.71		
			2	419.00	0.20	0.05	8.38		
	For Deck		5	6.00	2.00	0.05	3.00		
	For Deck Slab		5	6.00	2.00	0.3	18.00		
	Approch Slab		2x5	6.00	1.00	0.23	13.80		
	Basic Rate	4425.00					**58.89**	4779.00	**281447.00**
	Add Area Weightage 8%	354.00							
	Total	**4779.00**							
8	**Refixing stone slabs** of drains and pointing in CM 1:3 etc complete Page No. 25/ Item No.5.33/ PWD SR 2013-14	**Sqm**							
		Qty Vide Iteam No 5					**226.26**	70.04	**15847.00**
	Basic Rate	64.85							
	Add Area Weightage 8%	5.19							
	Total	**70.04**							
9	**Providing Granite slabs** selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 thick (P. 27 I. 5.31.1) Page No. 25/ Item No. 5.31.1/ PWD SR 2013-14	**Sqm**							
			Qty vied Item No 05				377.10		
		Deduct Availabe Qty Vide Iteam No 5					226.26		

	Basic Rate	318.00					150.84	343.44	**51804.00**
	Area Weightage 8%	25.44							10
	Total	**343.44**							
10	KSRB 5-14 : Providing and constructing precast **concrete solid blocks** with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x20x20** cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 27/ Item No. 5.27.1/ PWD SR 2013-14**	**Sqm**							
			2	419.00	0.40		335.20		
			2x2	60.00	0.60		144.00		
	Basic Rate	856.00					**479.20**	924.48	**443011.00**
	Add Area Weightage 8%	68.48							
	Total	**924.48**							
11	Supplying and fixing **precast** rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Sqm							
			1	419.00	0.90		377.10		
			2	60.00	0.60		72.00		
	Data Rates Approved by CE DZ enclosed						**449.10**	1600.00	**718560.00**
12	KSRRB 300-47. Scarifying kankar / gravel / metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges Complete as per specifications. MORTH Chapter 3. **Page No. 158/ Item No. 19.53/ PWD SR 2013-14**								
			1	439.00	6.00		2634.00	20.25	**53339.00**
	Basic Rate	18.75							
	Add Area Weightage 8%	1.50							
	Total	**20.25**							
13	KSRRB M400-1. **For Grading I Material** Construction of **granular sub-base** by providing close graded granular sub-base Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per Specifications. A. Plant Mix Method. **Page No. 167/ Item No. 20.4.1 PWD SR 2013-14**								
			1	439.00	6.00	0.15	**395.10**	1060.56	**419027.00**
	Basic Rate	982.00							
	Area Weightage 8%	78.56							
	Total	**1060.56**							

14	Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2013-14, P.No.170, I No.20.18)								
	Roads		1	439.00	6.00	0.25	**658.50**	1121.04	**738205.00**
	Basic Rate	1038.00							
	Add Area Weightage 8%	83.04							
	Total	**1121.04**							
15	Providing and applying **primer coat** with S.S. Bitumen emulsion on prepared surface of granular base such as **WBM, WMM** including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWDSR 2013-14, P.No.176, I No.21.9)								
			1	439.00	6.00		**2634.00**	28.94	**76238.00**
	Basic Rate	26.80							
	Add Area Weightage 8%	2.14							
	Total	**28.94**							
16	Providing and laying **semi dense bituminous concrete** 25 - 30mm compacted thickness with 5% bitumen with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled vibratory and ttandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects with 80 / 100 grade bitumen with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2013-14, P.No.178, I No. 21.20.1)	Cum							
			1	439.00	6.00	0.03	**79.02**	9631.44	**761076.00**
	Basic Rate	8918.00							
	Add Area Weightage 8%	713.44							
	Total	**9631.44**							
17	Carraige of Mixed Materials above 15 Km beyound 10Km to 15 Kmslead at P-186, d 15x4.50=67.50	Qty vide Item No15					**79.02**	67.50	**5334.00**

	Area Weightage 8%	3.86							
	Total	**52.11**							
15	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 150 Item No. 17.1 PWD SR 2013-14**	Cum							
			Qty Vide Item No. 1				~~94.35~~	78.24	~~7381.00~~
	2 x 1.28 x 4 Kmtrs	10.24							
		62.20							
	Basic Rate	**72.44**							
	Add Area Weightage 8%	5.80							
	Total	**78.24**							
16	For Quality Control Report Charges1% of the Estimate Cost + 10% KRIDL charges + 1% Labour cess								~~45000~~
17	Miscellaneous and UnforessenCharges								~~1505.00~~
								Total	4500000.00

(Rupees. Forty Five Lakhs Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2013-14
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

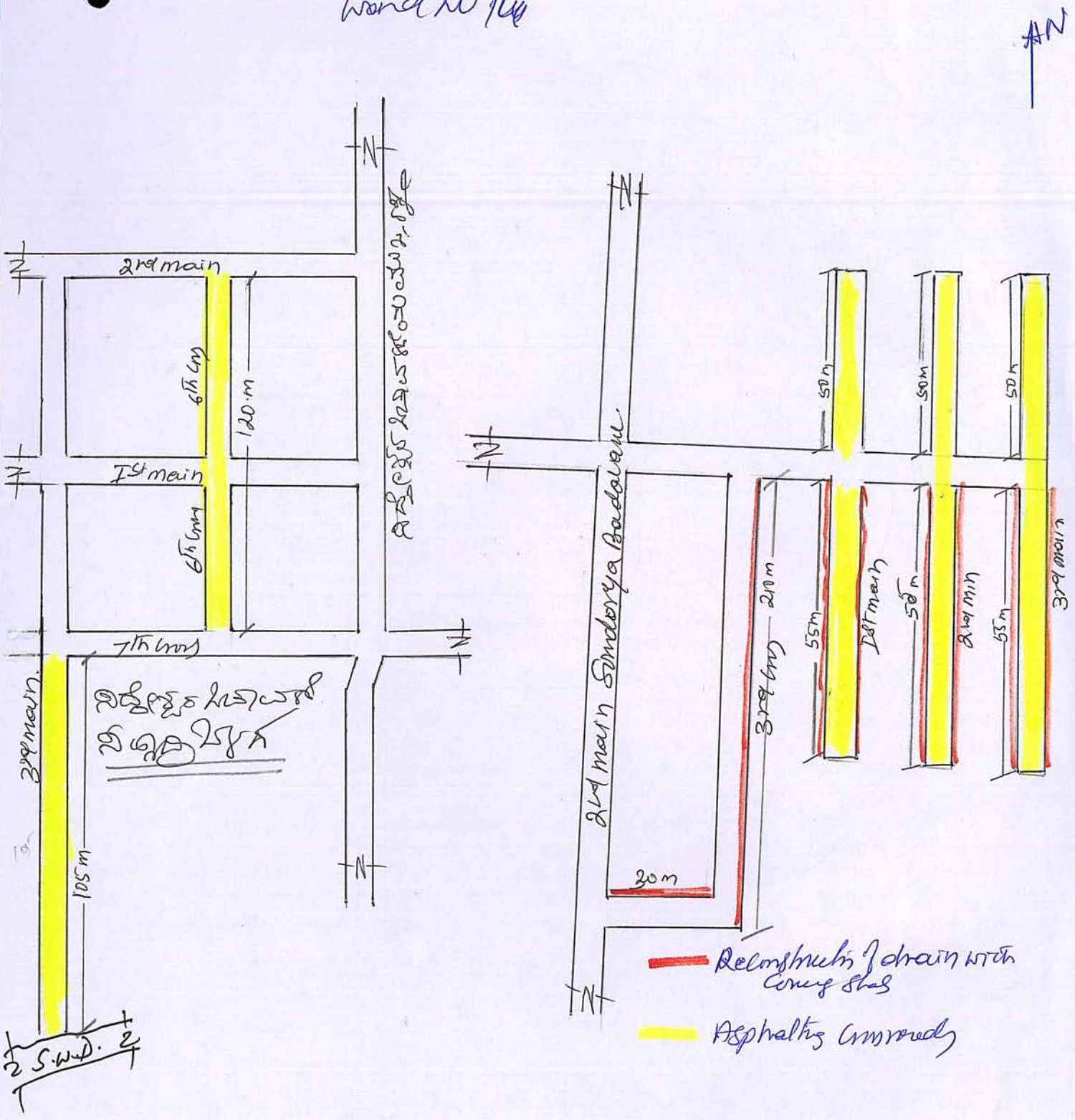
Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

AC(DH) AS A/S 894/13-14 ದಿನಾಂಕ : 04/03/14
ರೂ. 45.00 Lakhs (Rupees Forty five lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
Page No. 005
SL-No. 894
ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

CE/DZ/TB/40/14-15.
ಪುಟ ಸಂ. Pg: 69 ದಿನಾಂಕ : 20/5/2014
ರೂ. 45,00000/- (ರೂ: ನಾಲವತ್ತು ಐದು ಲಕ್ಷ ಮಾತ್ರ)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಪೂ.ಚ.ಪಾ.ನ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Name of work :— Improvement and Asphalting cms roads and Reconstruction of drain in Siddeshwara-bay-nt in Ward No 146

7



ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪಶ್ಚಿಮ ವಿಭಾಗ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪಶ್ಚಿಮ ವಿಭಾಗ

ಜ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು - 560 073